

## CLIMATOLOGICAL DATA FOR FEBRUARY, 1913.

## DISTRICT NO. 1, NORTH ATLANTIC STATES.

Prof. WILFORD M. WILSON, District Editor.

## GENERAL SUMMARY.

On the whole February, 1913, may be considered as a month of favorable conditions, but the principal features of the weather in different sections were not altogether similar. Considerably colder weather than usual at the north and much warmer than usual at the south, abundant sunshine, steady cold during the first two weeks, mild weather during the last weeks, and a general deficiency of precipitation with less snow than usual were the chief characteristics of the month.

The following table exhibits the leading features of meteorological interest for the various sections of the district:

States, or parts of States within District No. 1.	Temperature.				Precipitation.				Average number of—	
	Average.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest total.	Least total.	Rainy days.	Clear days.
New England.....	21.9	-1.1	61	-30	2.65	-1.05	4.72	0.97	8	16
New York.....	22.1	0.0	62	-21	2.22	-0.64	4.70	0.81	7	13
Pennsylvania.....	28.8	+1.1	65	-7	1.65	-1.39	3.68	0.30	7	12
New Jersey.....	30.6	+0.4	70	-5	2.49	-1.37	3.21	1.48	7	16
Maryland, Delaware, and District of Columbia.....	34.6	+2.7	73	3	1.45	-1.97	2.18	0.61	7	15
West Virginia.....	32.9	+3.0	72	0	0.82	-1.75	2.07	0.21	4	12
Virginia.....	36.3	+2.7	75	4	1.14	-2.08	1.95	0.30	6	13

## TEMPERATURE.

Mean temperatures for the month varied from 6.4° at Van Buren, Me., to 40.3° at Eastville, Va., showing much more than the usual difference between the coldest and warmest parts of the district. In northern Maine the temperature averaged more than 4° below the normal, but toward the southwest the deficiency became gradually less, changing to an excess about the latitude of northern Pennsylvania. In and near western Maryland the temperature averaged from 3° to 6° above the February normal. The month was about as cold as February last year in the extreme northern part of the district, but was 5° or 6° warmer in the southern sections.

The weather was less changeable than usual except in northern New England; for the sections farther south the month may be described by saying that the first two weeks formed a period of remarkably steady cold, and the last two a period of generally mild weather broken by one cold spell that covered the 24th-26th. In the northern part of New England the second half of the month differed but little in temperature from the first half and the lowest temperature at several stations

occurred as late as the 25th. On that date the temperature fell to -30° at Presque Isle, Me. This was the lowest temperature recorded for the month within the district. Over the greater part of the district there were no very severe cold waves or sudden changes in temperature. As a rule temperatures did not reach zero along the coast of southern New England nor in the sections farther south, except at some of the colder and more elevated points in the interior. Only two stations in New Jersey reported temperatures lower than zero. In the Virginia section there was but one day on which the temperature fell below 10°.

The warmest days were the 1st, 20th, 22d, and 28th. In some instances the temperatures on these dates averaged 20° or more above the normal. The maximum temperatures, however, were not unusual for February; they ranged from 40° to 50° in the greater part of Maine, from 50° to 60° over most parts of the other New England States and New York, and from 60° to 70° in the rest of the district. Temperatures above 70° occurred at a small number of stations south of Pennsylvania, the highest for the district being 75° at Eastville, Va., on the 28th.

## PRECIPITATION.

Only 13 stations, or less than 6 per cent of the total number, reported precipitation above the normal. Of these, 6 were in New England, 6 in New York, and 1 in New Jersey. The total precipitation for the month was less than 1 inch at 15 stations and more than 4 inches at only 8 stations. The greatest amount was 4.72 inches, at North Grosvenor Dale, Conn., and the least was 0.21 inch, at Upper Tract, W. Va. The average precipitation for the district was less than 2 inches and nearly 1.50 inch below the normal.

The storms of the month were of ordinary intensity and caused comparatively little damage or destruction to property. The dates of the most extensive and heaviest precipitation were the 3d, 11th, 17th, 22d, 27th, and 28th. The greatest amount recorded within 24 hours at any of the stations was 2.40 inches at Nantucket, Mass., on the 27th and 28th.

The amount of snowfall averaged nearly twice as much as in the preceding month, but was considerably less than usual for February. The average snowfall for the stations in New England was 9.5 inches, but in Virginia the average was only 1.5 inches. The extreme amounts of snowfall for the district were 28.8 inches at Millinocket, Me., and a trace at several stations in Maryland and Virginia. None of the storms gave an extensive fall of more than 4 inches of snow; probably more snow fell on the 3d than on any other date. Logging and hauling were somewhat hindered by the lack of snow, except in the northern part of New England.

## RIVER CONDITIONS.

All the principal streams remained at low to moderate stages throughout the month. Most navigable rivers were open until the 6th or later. On the Hudson navigation continued until the 6th, exceeding all former records. The latest date to which navigation ever continued on that river in any former winter was the 19th of January in 1810. Under date of February 6, 1913, the New York Sun points out the remarkable contrast between the conditions of this date and those of one year previous, when 'hundreds of people and many automobiles crossed the river between Nyack and Tarrytown on

the ice and kept up that travel until the last of February.' The Susquehanna and Delaware Rivers remained open longer than the Hudson, being frozen at most places only from about the 10th till the 20th or 21st.

## MISCELLANEOUS.

The month was marked by a predominance of fair weather. Only 7 days on the average gave measurable amounts of precipitation, while the average number of clear days was 14, of partly cloudy days 7, and cloudy days 7. The percentage of the possible sunshine averaged 65, or more than in any month since last July, excepting October, which also gave a percentage of 65.

TABLE 1.—Climatological data for February, 1913. District No. 1, North Atlantic States.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of overcast days.		
<i>Maine.</i>																				
Bar Harbor.....	Hancock.....	20	27	20.0	- 2.6	52	1	- 9	7	44	3.35	- 1.16	0.90	20.5	8	17	2	9	nw.	William Miller.
Cornish.....	York.....	778	58	22.4	+ 1.0	60	21	- 3	7†	45	2.45	- 1.28	0.90	16.0	8	15	4	9	w.	T. H. West.
Eastport.....	Washington.....	53	41	17.2	- 4.2	47	1	- 9	10	41	2.66	- 0.96	0.56	15.3	11	13	7	8	w.	U. S. Weather Bureau.
Fairfield.....	Somerset.....	90	28	17.8	- 0.3	51*	1	- 10	25	36*	2.92	+ 0.16	0.75	15.0	6	16*	3*	8	w.	E. F. Parker.
Farmington.....	Franklin.....	450	16	16.3	- 1.2	46	21	- 17	25	38	1.17	- 2.22	0.50	11.5	8	14	6	8	nw.	State Normal School.
Gardiner.....	Kennebec.....	163	21	18.8	- 1.1	57	1	- 12	7	47	2.09	- 1.37	0.48	15.0	9	19	0	9	nw.	Samuel D. Soule.
Greenville.....	Piscataquis.....	1,140	9	10.4	.....	42	1†	- 19	25	41	1.52	- 1.59	0.55	14.8	9	17	2	3	n.	U. S. Weather Bureau.
Houlton.....	Aroostook.....	362	11	13.4	.....	40	12	- 20	11†	49	1.00	- 1.51	0.30	17.0	6	20	5	3	n.	Bangor & Aroostook R. R.
Lewiston.....	Androscoggin.....	185	39	17.6	- 2.3	46	21	- 6	7†	37	2.40	- 1.59	0.82	18.0	10	16	7	5	nw.	Union Water Power Co.
Madison.....	Somerset.....	257	10	13.3	.....	47	21	- 18	25	39	1.69	- 1.48	0.69	13.5	7	20	0	8	nw.	William Jardine.
Millinocket.....	Penobscot.....	386	10	12.4	.....	48	1	- 14	25	38	2.65	- 0.42	0.92	28.8	8	15	1	12	nw.	F. C. Bowler.
North Bridgton.....	Cumberland.....	450	20	18.8	- 0.6	48	21	- 8	11	33	2.31	- 1.41	0.98	20.0	5	13	6	10	n.v.	G. E. Chadbourne.
Orono.....	Penobscot.....	129	44	16.2	- 3.0	51	1	- 19	25	52	2.08	- 1.66	0.80	18.0	6	12	10	10	w.	Department of Physics.
Patten.....	..... do .....	550	11	9.8*	.....	41 <sup>d</sup>	20	- 20 <sup>d</sup>	7	41 <sup>d</sup>	2.60	.....	0.90	26.0	6	11 <sup>d</sup>	6 <sup>d</sup>	7 <sup>d</sup>	ne.	Bangor & Aroostook R. R.
Portland.....	Cumberland.....	99	42	21.0	- 2.8	49	21	- 2	10†	34	2.70	- 0.95	0.76	14.1	9	17	2	9	sw.	U. S. Weather Bureau.
Presque Isle.....	Aroostook.....	4	9.0	.....	44	1	- 30	25	51	1.28	.....	0.43	15.0	5	13	6	9	nw.	W. T. Faulkner.	
Rumford Falls.....	Oxford.....	505	20	16.7	- 1.5	44	21	- 7	10†	34	1.48	- 1.91	0.49	11.6	10	18	3	7	nw.	Charles A. Mixer.
Van Buren.....	Aroostook.....	510	8	6.4	.....	40	1	- 27	7	44	1.98	.....	0.70	17.0	7	17	0	11	n.	J. M. Thomas.
Winslow.....	Kennebec.....	90	18	18.2	- 0.5	51	1	- 9	10†	33	1.74	- 0.87	0.51	13.8	9	20	3	5	sw.	Hollingsworth & Whitney Co.
<i>New Hampshire.</i>																				
Alstead Center.....	Cheshire.....	1,120	9	19.2	- 0.6	50	1	- 8	10	38	2.52	- 1.31	0.78	12.0	8	18	3	7	nw.	Frank Dewing.
Benton.....	Grafton.....	4	16.1	.....	51	20	- 12	10	34	1.60	- 0.68	0.90	9	20	3	5	5	10	nw.	State Sanatorium.
Bethlehem.....	..... do .....	1,470	21	14.9	- 2.5	51	21	- 19	10	46	1.69	- 1.20	0.46	9.5	9	13	5	10	nw.	Benjamin Tucker.
Concord.....	Merrimack.....	350	53	21.6	- 2.0	51	20	- 7	11	38	2.25	- 1.03	0.98	10.1	10	11	11	6	nw.	U. S. Weather Bureau.
Durham.....	Stafford.....	88	18	20.3	- 4.4	46	28	- 9	11	38	2.28	- 1.74	0.75	11.5	4	16	7	5	nw.	Agricultural Exp. Station.
Franklin.....	Merrimack.....	440	14	20.6	+ 1.6	53	1	- 1	11	40	2.59	- 0.42	0.71	12.0	9	15	6	7	nw.	Dr. C. P. Webster.
Grafton.....	Grafton.....	863	27	18.8	- 0.3	50	1	- 11	10	37	1.66	- 0.74	0.62	13.1	9	14	5	9	nw.	P. R. Kimball.
Hanover.....	..... do .....	603	79	18.8	- 0.3	50	1	- 11	10	37	1.66	- 0.74	0.62	19.0	9	10	7	5	nw.	Dartmouth College.
Keene.....	Cheshire.....	506	28	20.5	- 2.1	53	1	- 11	11†	44	2.50	- 0.82	0.62	9.6	10	17	6	5	nw.	Samuel Wadsworth.
Nashua.....	Hillsboro.....	125	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	nw.	Jackson Co.
Newton.....	Rockingham.....	25	22.0	22.0	- 2.3	57	1	- 11	11	44	3.06	- 0.54	1.40	11.5	6	15	8	5	nw.	W. C. Gale.
Plymouth.....	Grafton.....	500	25	17.8	- 0.1	49	1	- 10	11	35	2.19	- 1.44	0.62	14.0	9	13	5	10	w.	Hattie G. Trow.
<i>Vermont.</i>																				
Bloomfield.....	Essex.....	6	16.2	.....	48	1	- 23	10	43	1.33	.....	0.55	10.8	10	10	7	11	s.	Lyman Falls Power Co.	
Cavendish.....	Windsor.....	910	10	18	16.6	46	1†	- 13	10	36	1.97	- 2.51	0.48	9.0	4	13	3	12	n.	E. D. Kingsbury.
Chelsea.....	Orange.....	840	18	19.2	- 2.2	56	1†	- 13	10	36	2.57	- 0.55	0.98	8.7	8	16	5	7	n.	W. F. Dewey.
Manchester.....	Bennington.....	980	14	19.2	.....	53	20	- 11	10	41	1.41	.....	0.58	8.0	7	5	11	12	sw.	N. M. Canfield.
Somerset.....	Windham.....	2,096	17.4	17.4	- 0.9	57	20	- 20	12	50	4.05	.....	0.98	20.5	12	22	2	14	sw.	J. Albert Holmes.
St. Johnsbury.....	Caledonia.....	711	20	16.3	- 0.9	50	1	- 20	10	39	1.32	- 1.31	0.32	10.9	10	13	7	8	nw.	Fairbanks Museum.
Woodstock.....	Windsor.....	700	21	21.2	+ 3.8	48	20†	- 7	10	32	1.63	- 1.59	0.79	10.0	4	10	5	13	.....	John S. Eaton.
<i>Massachusetts.</i>																				
Amherst.....	Hampshire.....	222	24	22.8	- 2.1	55	21	- 4	10	34	2.94	- 0.34	0.90	11.0	7	17	7	4	nw.	Agricultural Exp. Station.
Blue Hill.....	Norfolk.....	640	23	24.5	- 1.1	55	1	- 3	10	36	3.77	- 0.43	0.83	10.4	9	17	5	6	w.	Blue Hill Observatory.
Boston.....	Suffolk.....	124	43	27.7	- 0.3	60	20	- 3	10	37	2.99	- 0.45	0.97	7.7	7	16	4	8	w.	U. S. Weather Bureau.
Chestnut Hill.....	..... do .....	124	33	26.6	- 0.7	59	1	- 1	10	37	2.71	- 1.36	0.86	8.0	7	23	0	5	nw.	Metropolitan Water Board.
Clinton.....	Worcester.....	370	17	23.8	.....	55	20	- 7	12	33	2.76	.....	1.12	9.0	6	17 <sup>c</sup>	1 <sup>e</sup>	7 <sup>c</sup>	.....	Da.
Concord.....	Middlesex.....	139	23	23.2	- 0.3	56	1†	- 13	8	38	2.73	- 0.55	0.98	8.7	8	16	5	7	sw.	Fred A. Tower.
Fall River.....	Bristol.....	200	27	27.2	- 1.4	54	20†	- 12	10	34	2.30	- 1.35	0.93	6.0	11	14	11	3	nw.	C. V. S. Remington.
Fitchburg.....	Worcester.....	550	30	24.0	- 0.1	59	20	- 3	13	37	2.31	- 1.81	0.64	8.0	7	18	3	7	nw.	Dr. A. P. Mason.
Framingham.....	Middlesex.....	160	33	26.6	- 0.1	57	1	- 12	13	31	2.72	- 1.62	0.12	8.2	7	17	5	10	nw.	Metropolitan Water Board.
Hyannis **	Barnstable.....	31	22	28.2	- 2.1	52	21	- 3	13	19	4.00	+ 0.23	1.66	5.0	5	18	5	5	nw.	C. F. Sleeper.
Lawrence.....	Essex.....	51	29	22.8	- 1.8	56	1	- 3	10†	38	3.03	- 0.97	1.32	10.5	9	13	11	4	nw.	Essex Co.
Lowell.....	Middlesex.....	100	28	26.0	- 0.9	57	1	- 2	10†	35	2.80	- 0.87	1.29	.....	7	17	6	8	w.	Props. Locks and Canals.
Middleboro.....	Plymouth.....	53	27	26.8	- 1.0	59	21	- 2	10	39	2.81	- 1.56	1.16	3.0	5	15	7	6	w.	A. R. Gurney.
Nantucket.....	Nantucket.....	15	27	30.5	- 2.1	52	1†	- 11	10†	28	4.44	+ 1.33	2.40	1.8	11	13	7	8	w.	U. S. Weather Bureau.
New Bedford.....	Bristol.....	88	101	25.6	.....	54	20	- 6	9	26	2.45	.....	0.72	9.2	7	17	5	6	nw.	City Engineer.
Norfolk.....	Norfolk.....	244	10	25.6	.....	61	20	- 10	11	47	3.63	.....	1.13	6.0	8	21	3	4	nw.	Ruby H. Martyn.
Plymouth.....	Plymouth.....	28	25	4.0	0	55	21	- 8	10†	20	3.56	+ 0.40	1.28	7.5	8	17	3	8	w.	Laura B. Knapp.
Provincetown.....	Barnstable.....	40	26	29.2	0	55	21	- 1	10	25	4.00	.....	1.24	5.0	8	14	6	8	w.	Gideon Bowley.
Rockport.....	Essex.....	25	11	26.8	.....	51	20†	- 6	9	26	2.45	.....	0.72	9.2	7	17	5	6	w.	C. F. P. Bearse.
Turners Falls.....	Worcester.....	1,160	11	20.2	.....	54	20	- 3	10	37	2.97	- 0.47	1.06	5.0	10	16	5	7	sw.</	

TABLE 1.—Climatological data for February, 1913. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unimelted.	Number of rainy days, 0.10 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<b>New York.</b>																					
Addison.....	Steuben.....	1,000	23	24.8	+ 0.5	62	20	- 4	10	34	1.08	- 0.07	0.56	3.2	10	13	5	10	n.w.	H. R. Ainsworth.	
Albany.....	Albany.....	97	92	21.6	- 2.0	49	20	- 1	11	35	1.64	- 0.88	0.93	6.2	7	12	8	8	s.	U. S. Weather Bureau.	
Alfred.....	Allegany.....	1,976	18	20.6	- 1.6	55	20†	- 11	10	31	0.91	- 0.37	0.40	10.0	10	17	4	7	w.	Emery F. Davis.	
Amsterdam.....	Montgomery.....	277	9	18.1	- 2.0	44	20	- 7	10	37	2.65	-	1.15	9.0	5	17	3	7	s.	Emery Elwood.	
Athens.....	Greene.....	90	11	23.9	+ 1.3	56	1	- 1	13	33	1.62	- 1.23	0.87	5.5	3	18	3	8	w.	E. C. Brooks.	
Ballston Lake.....	Saratoga.....	400	9	18.2	-	52	1	- 12	13	39	1.79	-	0.59	7.2	9	12	8	8	w.	George R. Schaeber.	
Bedford.....	Westchester.....	450	22	22.0	-	59	21	- 1	15	38	1.87	- 2.19	0.65	4.0	6	19	6	3	w.	Dr. L. Rosenberg.	
Beerston.....	Delaware.....	1,214	1	20.7	-	56	1	- 10	10	44	2.23	-	0.58	11.1	7	13	3	12	w.	John Q. Barlow.	
Binghamton.....	Broome.....	875	22	22.7	- 2.0	56	20	- 1	10	31	1.73	- 0.17	0.83	8.4	7	6	8	14	w.	U. S. Weather Bureau.	
Bouckville.....	Madison.....	1,350	16	18.6	+ 0.1	50	20	- 21	10	39	2.43	- 0.52	0.50	18.0	11	17	3	8	n.w.	L. W. Griswold.	
Carmel.....	Putnam.....	500	21	21.6	- 3.3	52	28	- 2	14	41	2.77	- 1.69	0.98	9.5	10	17	3	8	n.	Thomas Manning.	
Chatham.....	Columbia.....	470	12	22.2	+ 0.7	53	1†	- 7	10	36	2.28	- 0.02	0.55	5.5	6	12	8	8	n.	Morton R. Tank.	
Cooperstown.....	Otsego.....	1,250	59	19.2	- 1.4	52	20	- 10	10	35	2.14	- 0.34	0.85	11.2	9	16	7	5	n.	Miss Elizabeth C. Keesee.	
Corinth.....	Saratoga.....	542	11	-	-	-	-	-	-	-	1.64	-	0.70	-	5	-	-	-	-	A. M. Hollister.	
Cortland.....	Cortland.....	1,129	51	23.0	+ 1.0	55	20†	- 7	10	39	1.91	+ 0.39	0.84	10.9	11	10	3	15	n.w.	F. G. Baker.	
Cutchogue.....	Suffolk.....	32	14	29.9	+ 2.7	56	21	- 11	13	28	4.12	+ 0.22	2.01	3.0	8	20	4	2	n.w.	William A. Fleet.	
De Ruyter.....	Madison.....	1,300	10	19.2	- 0.4	50	20	- 20	10	42	1.79	-	1.33	5.0	10	15	3	10	s.	B. D. Crandall.	
Elmira.....	Chemung.....	863	30	24.2	- 2.3	60	20	3	10	35	1.17	- 0.48	0.73	3.0	3	8	10	10	sw.	Thurber A. Brown.	
Glen Falls.....	Warren.....	340	22	17.8	- 1.2	46	21	- 10	13	36	1.60	- 1.25	0.90	6.8	5	11	4	13	n.	Prof. C. L. Williams.	
Gloversville.....	Fulton.....	850	21	17.6	0.0	46	15	- 10	10	36	2.13	- 1.07	0.40	14.0	11	10	11	7	w.	W. L. McLean.	
Greenfield Center.....	Saratoga.....	314	15	17.6	- 1.3	50	1	- 12	10	40	1.87	- 1.24	0.87	4	11	10	10	5	sw.	S. E. Darow.	
Greenwich.....	Washington.....	425	16	20.8	+ 2.3	46	1	- 9	10	35	2.07	- 0.06	1.05	7.0	6	15	9	4	s.	Homer J. Whitcomb.	
Griffin Corners.....	Delaware.....	2,260	13	21.6	+ 2.3	55	20	- 4	5†	47	1.55	- 0.67	0.68	7.5	5	14	5	9	w.	Harold O. Judd.	
Haskinville.....	Steuben.....	18	-	-	-	-	-	-	-	-	-	-	1.21	- 0.10	0.45	6.2	7	-	-	W. G. Collins.	
Hoosick Falls.....	Rensselaer.....	410	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	w.	S. L. Cluett.	
Indian Lake.....	Hamilton.....	1,705	14	17.0	+ 1.9	59	20	- 15	10	44	1.69	- 1.36	0.50	4.5	7	14	4	10	n.	Lester Sevier, jr.	
Jeffersonville.....	Sullivan.....	1,240	10	21.0	-	51	1	- 11	14	49	2.29	-	1.12	10.0	6	15	8	5	se.	Charles Wilfert, jr.	
Liberty.....	do.....	2,300	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O. J. Dempster.	
Little Falls.....	Herkimer.....	924	15	18.4	0.0	47	1	- 10	10	37	1.54	- 0.63	0.51	13.5	11	10	8	10	w.	A. K. Smiley.	
Mohonk Lake.....	Ulster.....	1,245	17	23.4	+ 0.2	54	20	0	10	33	3.57	+ 0.05	0.94	9.0	6	14	7	7	w.	Theo. C. Remonda.	
Morehouseville.....	Hamilton.....	1,697	5	13.8	-	53	20	- 21	10	44	1.90	-	0.52	-	11	17	2	9	w.	Prof. I. M. Charlton.	
Morrisville.....	Madison.....	1,325	1	19.4	-	50	20	- 20	10	39	1.66	-	0.26	16.5	10	13	4	11	sw.	F. W. Tooker.	
Mount McGregor.....	Saratoga.....	1,060	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	W. A. Cornelius.	
Mount Hope.....	Westchester.....	200	16	28.2	+ 1.1	55	1†	- 8	10†	30	4.70	+ 0.96	1.17	1.5	7	9	13	6	-	Lyman D. Clinton.	
New Berlin.....	Tioga.....	825	26	-	-	-	-	-	-	-	1.68	- 0.38	0.68	8.0	5	-	-	-	-	Charles F. Sarle.	
New Lisbon.....	Chenango.....	1,090	6	-	-	-	-	-	-	-	2.64	-	1.73	7.8	4	18	2	8	w.	G. A. Yates.	
New York City.....	Otsego.....	1,234	23	18.0	- 0.8	51	20	- 17	10	43	2.05	- 0.39	0.68	7.0	7	14	4	10	sw.	U. S. Weather Bureau.	
North Creek.....	Newark Valley.....	314	88	30.9	+ 0.2	60	28	10	13	27	2.18	- 1.56	1.02	2.4	8	18	5	5	n.w.	W. G. Kenwell.	
Northville.....	Fulton.....	1,002	5	18.8	-	50	20	- 8	10	39	1.25	-	0.60	7.0	3	18	4	6	w.	P. C. Pickard.	
Oneonta.....	Otsego.....	72	11	-	-	-	-	-	-	-	-	-	1.36	0.52	8.5	5	-	-	-	H. W. Lee.	
Oxford.....	Chenango.....	916	48	20.8	- 1.6	47	1†	- 12	10	36	3.10	+ 0.50	0.81	17.0	12	8	13	7	w.	J. P. Davis.	
Oyster Bay.....	Nassau.....	40	9	-	-	-	-	-	-	-	-	-	1.70	- 1.16	4	-	-	-	-	Prof. Thos. Colby.	
Port Jervis.....	Orange.....	470	29	24.8	- 0.4	55	1†	- 3	14	42	1.89	- 1.63	0.58	8.5	6	15	7	6	n.w.	W. H. Nearpass.	
Roslyn.....	Nassau.....	215	1	29.6	-	61	21	8	11	29	2.54	-	0.64	3.0	6	19	2	7	sw.	C. H. Hechler.	
Salisbury.....	Herkimer.....	1,526	16	14.6	- 2.4	53	20	- 15	10	39	1.72	- 0.71	0.48	17.0	9	13	12	3	n.w.	Joseph Ryan.	
Scarsdale.....	Westchester.....	200	9	29.0	-	58	21†	8	11†	29	2.60	-	0.75	3.0	7	22	2	4	n.w.	C. H. Wilmarth.	
Setauket.....	Suffolk.....	40	8	30.2	+ 0.6	58	21	11	13	29	3.36	- 0.65	1.50	2.5	9	18	5	5	w.	Selah B. Strong.	
Sherburne.....	Chenango.....	6	-	-	-	-	-	-	-	-	-	-	1.16	-	4	-	-	-	-	E. B. Collins.	
Southampton.....	Suffolk.....	36	12	30.0	+ 1.4	57	21	11	13	28	3.44	- 0.19	0.70	1.7	10	18	6	4	n.w.	W. L. Jagger.	
Southeast Reservoir.....	Putnam.....	310	8	-	-	-	-	-	-	-	2.99	- 1.11	-	-	-	-	-	-	-	Thomas Manning.	
South Edmeston.....	Otsego.....	1,300	1	19.0	-	52	20	- 17	10	43	1.45	-	1.05	11.9	10	12	4	12	sw.	F. H. Bilderbeck.	
Spier Falls.....	Sarafoaga.....	400	12	-	-	49	21	-	-	-	1.45	- 2.15	0.55	5.5	5	9	13	6	sw.	George E. Fifield.	
Trenton Falls.....	Oneida.....	751	10	-	-	-	-	-	-	-	1.33	-	0.44	-	9	-	-	-	-	C. W. Young.	
Tribeshill.....	Montgomery.....	268	10	-	-	-	-	-	-	-	1.45	-	0.60	3.5	6	-	-	-	-	R. S. Marshall.	
Troy.....	Rensselaer.....	0	25.2	-	-	57	1	0	10	31	1.61	- 1.34	0.45	-	8	-	21	4	3	n.w.	David B. Plum.
Utica.....	Oneida.....	537	47	-	-	-	-	-	-	-	1.61	-	-	-	12	12	10	3	15	w.	W. E. Young.
Wading River.....	Suffolk.....	112	7	20.4	-	59	21	5	11	34	3.77	-	1.12	4.2	9	21	4	3	sw.	H. B. Fullerton.	
Wappingers Falls.....	Dutchess.....	110	23	24.7	+ 1.4	56	1	4	14	38	2.85	- 1.13	0.60	16.5	11	12	10	6	sw.	H. C. Townsend.	
Warwick.....	Orange.....	533	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	J. F. Shoemaker.	
Waverly.....	Tioga.....	824	31	24.8	+ 1.0	60	23	- 6	7	40	1.53	- 0.42	0.66	4.5	6	5	13	10	n.w.	W. J. Haeverly.	
West Berne.....	Albany.....	946	14	19.3	+ 1.6	61	20	- 11	11	45	0.81	- 1.94	0.40	5.0	5	13	2	13	n.w.	U. S. Military Acad.	
West Point.....	Orange.....	167	44	27.4	- 0.8	57	1	- 7	9	30	4.32	+ 1.01	1.47	9.2	5	12	11	5	n.w.	A. R. Mott.	
Windham.....	Greene.....	1,520	13	22.2	+ 2.1	60	20	- 6	11	41	1.60	- 0.87	0.58	6.5	5	12	11	5	n.w.	Siemens Fischer.	
<b>Pennsylvania.</b>																					
Altoona.....	Blair.....	1,181	25	26.6	+ 2.8	62	22	2	13	27	1.26	- 1.10									

## MONTHLY WEATHER REVIEW.

FEBRUARY, 1913

TABLE 1.—Climatological data for February, 1913. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of clear days.				
<i>Pennsylvania—Contd.</i>																					
Reading.....	Berks.....	280	40	30.8	+ 3.6	50	28	10	13	25	2.07	- 1.45	0.75	3.1	8	13	4	nw.	U. S. Weather Bureau.		
Scranton.....	Lackawanna.....	805	13	26.4	- 0.5	50	22	5	10	30	1.60	- 1.12	0.67	4.2	7	8	8	s.	Do.		
Selinsgrove.....	Snyder.....	455	25	29.2	+ 3.0	57	22	6	7	32	1.22	- 1.84	0.45	2.5	4	0	18	10	sw.	J. M. Boyer, C. E.	
State College.....	Centre.....	1,191	25	25.6	+ 0.4	60	22	4	6	29	1.04	- 1.74	0.29	5.6	8			nw.	Prof. Wm. Frear.		
Towanda.....	Bradford.....	754	18	25.1	+ 2.3	50	27	4	10	34	1.34	- 0.54	0.43	4.0	5	15	2	11	nw.	Hiram E. Bull, C. E.	
Wellsville.....	Tioga.....	1,327	36	24.4	- 0.2	60	20	1	13	35	1.34	- 1.48	0.89	4.0	5	16	6	6	w.	O. L. White.	
West Chester.....	Chester.....	455	59	31.7	+ 0.9	62	21	8	7	34	2.13	- 2.07	0.73	5.0	10	11	11	6	w.	J. C. Green, D. D. S.	
Williamsport.....	Lycoming.....	530	23	27.8	- 1.9	54	22	5	13	32	1.41	- 1.06	0.58	5.7	6	16	2	10	nw.	Henry H. Guise.	
<i>New Jersey:</i>																					
Atlantic City.....	Atlantic.....	16	40	33.7	+ 0.7	61	28	12	13	25	2.04	- 1.23	1.03	0.9	5	14	5	9	nw.	U. S. Weather Bureau.	
Bayonne.....	Hudson.....	50	23	30.6	+ 0.1	60	21	10	13	33	2.95	- 1.06	1.37	4.0	3	16	5	7	nw.	Erskine R. Eadie.	
Belvidere.....	Warren.....	289	13	29.0	+ 0.6	59	28	3	14	43	2.58	- 1.74	1.14	3.0	9	19	1	3	nw.	Samuel J. Hixson.	
Bergen Point.....	Hudson.....	37	16	30.8	+ 0.4	61	21	10	13	33	3.15	- 1.24	1.16	2.0	8	12	11	5	nw.	Wm. H. Mitchell, M. D.	
Boonton.....	Morris.....	230	23	32.2	+ 0.2	70	28	9	7	32	1.96	- 1.42	1.23	2.0	6				Joseph White.		
Bridgeton.....	Cumberland.....	30	32	34.1	+ 0.2	70	28	9	7	32	2.14	- 1.46	0.90	4.0	6	17	5	6	w.	Henry A. Jorden.	
Burlington.....	Burlington.....	12	27	31.8*	-	63	28	12	12*	30	2.28	- 1.46	0.92	2.5	9	21	3	4	nw.	D. S. B. McCoy.	
Cape May City.....	Cape May.....	17	35	35.6	+ 1.5	64	28	16	13	24	1.48	- 1.81	0.61	0.8	7	10	9	9	nw.	U. S. Weather Bureau.	
Charlotteburg.....	Passaic.....	719	21	27.2	+ 0.9	58	20*	-	14	40	2.72	- 1.94	1.10			6	19	5	w.	George S. Briggs.	
Clayton.....	Morris.....	234	11	31.0	-	62	21	-	13	34	2.60	- 1.34	1.30	5.0	8				M. A. Butler.		
Culvers Lake.....	Gloucester.....	126	20	32.9	+ 1.2	66	28	10	14	32	2.19	- 1.83	1.30	3.0	7	20	1	7	nw.	William T. Farley.	
Dover.....	Sussex.....	848	12	31.0	-	62	21	-	13	34	2.24	- 1.11	0.57	7.9	7	17	5	6	w.	Brice E. Riker.	
Elizabeth.....	Morris.....	600	29	26.4	+ 0.2	59	21	5*	13	30*	2.92	- 1.32	1.52	4.0	6	4	19	5	nw.	William C. Harris.	
Flemington.....	Union.....	45	34	30.4	-	60	28	8	14	33	3.21	- 1.05	1.50	4.0	7	18	5	5	nw.	L. B. Bonnett.	
Haddonfield.....	Hunterdon.....	140	25	30.2	- 0.3	60	28	8	14	35	2.46	- 0.93	0.78	4.0	7	19	4	5	sw.	Hiram E. Deats.	
Haddonfield.....	Camden.....	75	26	32.6	+ 1.1	63	28	10	14	34	2.09	- 1.23	0.70	2.5	9	17	6	5	w.	Charles F. Richardson.	
Hammonton.....	Atlantic.....	103	15	31.0	-	62	21	-	13	34	2.11	- 1.75	0.82	2.1	3				Orville Bassett.		
Highwood.....	Bergen.....	90	26	29.2	+ 0.5	60	21	6	13	33	3.02	- 1.51	0.76	4.4	5	16	4	8	nw.	Charles J. Bates.	
Indian Mills.....	Burlington.....	76	24	33.0	+ 0.9	65	20*	3	7	40	2.26	- 1.70	0.80	3.2	9	15	7	6	nw.	James Armstrong.	
Jersey City.....	Hudson.....	10	15	30.8	- 0.4	57	21*	11	13	29	2.68	- 1.26	1.28	3.5	7	14	8	6	w.	Samuel K. Pearson, Jr.	
Lakewood.....	Ocean.....	54	11	31.2	- 0.5	66	20	6	14	40	1.65	- 1.68	0.76	2.2	7	6	17	5	nw.	Ralph Robertson.	
Lambertville.....	Hunterdon.....	95	26	31.0	+ 0.6	61	21*	10	13	34	2.69	- 1.85	0.53	2.0	5	16	4	8	sw.	William R. Bowne.	
Layton.....	Sussex.....	550	14	24.0	- 0.1	58*	28	-	5	7*	42	1.91	- 1.55	0.53	5.0	5	19	2	7	w.	Warren C. Hursh.
Little Falls.....	Passaic.....	175	11	31.0	-	62	21	-	13	32	2.50	- 1.57	1.30	3.4	7				A. Sweetman.		
Long Branch.....	Monmouth.....	30	6	31.0	-	61	21	9	13	32	2.50	- 0.91	2.4	7	11	12	5	nw.	Wm. D. Martin, Jr.		
Mahwah.....	Bergen.....	312	11	32.6	-	64	23	11	13*	35	1.95	- 1.26	1.05	8.5	8				Charles L. Barker.		
Moorestown.....	Burlington.....	75	51	32.6	+ 1.6	64	23	-	13	35	2.84	- 1.68	0.74	2.0	9	17	6	5	nw.	Geo. L. Gillingham.	
Newark.....	Essex.....	159	70	30.7	+ 0.9	62	21	10	13	35	2.84	- 0.84	1.40	5.1	3	18	3	7	nw.	Prof. William Wiener.	
New Brunswick.....	Middlesex.....	100	60	30.4	- 0.9	61	21	9	14	34	2.39	- 1.30	0.74	1.5	6	15	7	6	sw.	Harry B. Holcombe.	
Newton.....	Sussex.....	678	34	26.4	+ 0.7	58	28	2	13	37	2.24	- 1.59	1.10	4.2	5	13	7	8	sw.	F. Vernon Losce.	
Northfield.....	Atlantic.....	25	6	31.0	-	62	21	-	13	34	2.30	-	0.87	1.5	7				William L. Flick.		
Paterson.....	Passaic.....	80	42	30.8	+ 0.6	60	21	9	13	33	2.76	- 1.04	0.60	4.4	8	11	12	5	sw.	Heber A. Probert.	
Phillipsburg.....	Warren.....	363	23	29.1	+ 1.3	59	28	7	14	34	2.29	- 1.50	0.57	3.4	7	18	1	9	w.	D. W. Smith.	
Plainfield.....	Union.....	100	27	29.8	- 0.4	61	28	8	14	36	2.89	- 1.02	1.53	3.7	6	14	8	6	nw.	John Neagle.	
Pleasantville.....	Atlantic.....	26	15	31.0	-	62	21	-	13	34	3.01	- 0.06	0.80	1.4	6	19	4	5	nw.	Lincoln Van Gilder.	
Pompton Plains.....	Morris.....	195	11	31.0	-	62	21	-	13	34	2.78	- 1.65	1.18	6.5	6				M. S. Taylor.		
Somerville.....	Somerset.....	60	30	30.2	+ 0.2	62	28	9	13	32	2.52	- 1.03	0.68	3.8	7	17	7	4	nw.	A. A. Macdonald.	
South Orange.....	Essex.....	200	43	31.1	+ 0.1	58	21*	9	13	31	2.56	- 1.06	1.35	5.2	7	17	5	6	w.	Dr. Wm. J. Chandler.	
Sussex.....	Sussex.....	442	23	26.4	+ 0.2	56	1*	2	11*	33	2.23	- 1.31	0.94	6.5	5	14	7	7	w.	George Dymock.	
Trenton.....	Mercer.....	63	42	32.6	- 0.8	66	28	11	13	34	2.17	- 1.46	0.67	1.2	10	19	3	6	w.	James L. Bennett.	
Tuckerton.....	Ocean.....	23	20	32.2	+ 0.1	68	28	2	7	37	2.88	- 0.91	1.01	2.7	6	16	6	6	w.	Frank R. Austin.	
Vineland.....	Cumberland.....	118	44	32.5	0.0	68	28	4	7	30*	2.11	- 1.94	0.90	3.0	10	16	8	4	nw.	Alfred Chalmers.	
Woodbine.....	Cape May.....	43	22	33.3*	+ 0.7	68	28	9	13	284	-	-	1.18	-					Prof. R. D. Maltby.		
<i>West Virginia:</i>																					
Bayard.....	Grant.....	2,500	11	28.0	+ 0.9	61	22	0	13	40	2.07	- 1.50	0.55	8.0	9	10	3	15	w.	Solomon Clark.	
Burlington.....	Mineral.....	875	19	33.5	+ 3.7	72	22	4	14	40	0.50	- 2.03	0.40	3.0	2	10	13	5	nw.	J. W. V. Vandiver.	
Franklin.....	Pendleton.....	7	-	33.1	-	62	22	4	13	30	0.76	-	0.49	1.5	3	14	8	6	w.	Fred Calhoun.	
Lost City.....	Hardy.....	435	21	33.2	+ 3.7	69	22	10	13	38	1.10	- 1.31	0.65	3.0	4	19	2	7	se.	B. D. Hinegardner.	
Martinsburg.....	Hardy.....	900	18	34.6	+ 3.3	68	20	6	13	32	0.26	- 2.29	0.15	1.0	2	11	15	1	sw.	G. W. Van Metre, C. E.	
Romney.....	Hampshire.....	824	17	31.0	-	62	21	-	13	34	2.30	-	0.87	1.5	7				John C. Fisher.		
Upper Tract.....	Pendleton.....	1,230	15	35.0	+ 3.4	69	22	3	13	47	0.21	- 1.60	0.16	-	2	4	21	3	w.	C. F. Dodge.	
<i>Maryland:</i>																					
Annapolis.....	Anne Arundel.....	45	41	36.2	+ 1.9	60	23	12	13	34	1.20	- 2.63	0.60	0	7	7	0	21	s.	U. S. Naval Academy.	
Baltimore.....	Baltimore.....	115	43	36.2	+ 1.6	68	28	14	13	35	1.61	- 1.90	0.74	2.4	11	11	9	8	sw.	U. S. Weather Bureau.	
Cambridge.....	Dorchester.....	25	15	37.2	+ 2.1	72	28	12	14</												

TABLE 1.—*Climatological data for February, 1913. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
<i>Maryland—Contd.</i>																			
Rockville.....	Montgomery.....	421	6	36.1	.....	68	22	11	13	33	1.28	.....	0.76	1.0	6	17	5	6	Dr. G. E. Lewis.
Salisbury.....	Wicomico.....	23	8	36.6	.....	71	28	10	15	39	2.00	.....	0.86	1.8	8	17	6	5	W. E. Downing.
Solomons.....	Calvert.....	20	22	37.8	+ 3.3	70	28	15	13	28	2.15	— 2.10	0.43	1.0	6	9	8	11	nw. Dr. W. H. Marsh.
State Sanitorium.....	Frederick.....	1,460	6	30.9	.....	61	22	5	13	35	1.46	.....	0.72	3.1	8	14	7	7	Superintendent.
Sudlersville.....	Queen Anne.....	65	15	35.1	+ 3.4	72	28	13	13	33	1.53	— 2.35	0.78	2.0	8	17	3	8	w. Henry L. Higman.
Takoma Park.....	Montgomery.....	320	15	34.4	+ 4.2	69	28	10	14	40	1.50	— 1.76	0.73	1.0	6	2	22	4	L. M. Moers.
Towson.....	Baltimore.....	465	5	33.6*	.....	67*	28	9*	13	35b	1.25	.....	0.74	0.5	5	9	8	11	C. W. E. Treadwell.
Van Bibber.....	Harford.....	100	16	32.4	+ 2.0	66*	28	7*	7	28	1.23	— 2.59	0.53	0.6	5	18*	2*	7*	W. Benj. Ford.
Westernport.....	Allegany.....	1,000	19	34.6	+ 6.3	71	22	10	13	41	0.99	— 1.35	0.54	0.5	5	.....	.....	.....	Prof. O. H. Bruce.
Westminster.....	Carroll.....	860	20	36.0	.....	69	28	13	13	34	0.99	.....	0.54	0.5	5	.....	.....	.....	Prof. G. F. Morelock.
Woodstock.....	Baltimore.....	392	43	36.4	+ 4.0	66	22	11	14	38	1.49	— 1.83	0.78	3.1	9	14	6	8	Rev. J. F. Dawson, S. J.
<i>Delaware.</i>																			
Delaware City.....	New Castle.....	10	6	33.6	.....	66	28	12	13	30	1.49	— 1.24	0.56	1.5	6	17	4	7	H. Morton Price.
Dover.....	Kent.....	40	25	36.2	+ 1.1	69	28	13	13	34	1.86	— 1.70	1.20	1.5	3	14	7	7	W. C. Josting.
Milford.....	do.....	29	36.7	+ 2.5	69	22*	13	13	38	2.18	— 2.00	0.75	T.	9	18	4	6	Chas. J. Holzmueller.	
Millsboro.....	Sussex.....	20	21	38.2	+ 5.1	73	28	17	8†	35	1.59	— 2.47	0.73	0.7	7	19	1	8	Rev. L. W. Wells.
Seaford.....	do.....	40	32	36.0	+ 3.1	69	28	13	13	34	1.59	— 2.30	0.66	T.	8	16	5	7	E. B. Brown.
Wilmington.....	New Castle.....	86	2	35.3	.....	66	28	13	13	27	1.73	— 1.35	0.69	1.5	8	16	6	6	A. J. Taylor.
<i>District of Columbia.</i>																			
Washington.....	Dist. of Columbia.....	112	43	36.4	+ 1.9	68	22	13	13	29	1.37	— 2.05	0.81	1.7	8	15	4	9	s. U. S. Weather Bureau.
<i>Virginia.</i>																			
Culpeper.....	Culpeper.....	450	5	36.4	.....	87	28	9	13	36	1.22	.....	0.60	T.	3	10	11	7	s. Col. H. C. Burrows.
Dale Enterprise.....	Rockingham.....	1,350	34	36.4	+ 2.8	69	22	4	13	34	1.25	— 1.75	0.68	2.0	9	13	7	8	Rev. L. J. Heatwole.
Eastville.....	Northampton.....	15	3	40.3	0.0	75	23	12	13	31	1.95	— 1.97	0.75	4.0	3	13	8	7	sw. T. B. Robertson.
Fredericksburg.....	Spotsylvania.....	100	24	38.9	+ 4.1	72	28	9	13	36	1.00	— 2.29	0.35	1.5	6	17	5	6	s. sw. S. G. Howison.
Lincoln.....	Loudoun.....	500	12	33.9	+ 3.1	68	22	10	13	36	1.16	— 1.49	0.49	1.0	7	14	8	6	sw. Dr. Geo. Roberts.
Mount Weather.....	do.....	1,726	9	30.8	+ 1.7	60	22	4	13	26	0.75	— 2.42	0.36	1.0	9	9	8	11	U. S. Weather Bureau.
Quantico.....	Prince William.....	16	16	34.8	+ 2.9	71	28	8	13	33	1.35	.....	0.96	0.1	4	21	4	3	Richmond, Fredericksburg & Potomac Railroad.
Staunton.....	Augusta.....	1,380	21	37.0	+ 2.6	65	28	8	13	33	1.14	— 1.75	0.46	3.0	7	12	8	8	sw. Ernest Nethnagel.
Warsaw.....	Richmond.....	160	21	38.8	+ 3.7	72	28	13	13	35	1.85	— 1.57	0.65	3.0	7	9	14	5	n. C. H. Constable.
Winchester.....	Frederick.....	717	2	35.2	.....	70	22	10	13	31	0.61	.....	0.60	0.1	2	14	13	11	w. Bentley Kern.
Woodstock.....	Shenandoah.....	927	17	37.2	+ 5.8	72	22	8	13	41	0.30	— 2.45	0.23	0.3	2	16	6	6	w. Mrs. A. G. Artz.

\*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

\*\* Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for February, 1913. District No. 1, North Atlantic States.*

Stations.	Watershed.	Day of month.																																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total.								
<i>Maine.</i>																																						
Ashland.....	St. John.....																														13.5							
Bar Harbor.....	Coast.....	.40	.50			.09	T.																								.90	39.7						
Cambridge.....	Kennebec.....																														1.28							
Cornish.....	Saco.....	.20	.40				T.																								.40	2.45						
Danforth.....	Penobscot.....	.42	* .05																												.12	2.04						
Eastport.....	Coast.....	.44	.29			.08																									.16	2.66						
Eustis.....	Kennebec.....	.37	T.	.04	T.	.01	T.	.02	.11	T.	T.																			.03	1.76							
Fairfield.....	do.....	.34	.75																													.53	2.92					
Farmington.....	do.....	T.	.03			T.	T.																										* .41	1.17				
Gardiner.....	do.....	.13	.25	.15																													.37	.20				
Greenville.....	do.....	.06	.02	T.			T.																										.23	.48				
Houston.....	Penobscot.....																																.15	.07				
Howe Brook.....	Penobscot.....																																	.10	1.00			
Lewiston.....	Androscoggin.....	.14	.34																															.30	.47			
Madison.....	Kennebec.....	.10																																.06	.31			
Millinocket.....	Penobscot.....																																	.15	.04			
North Bridgton.....	Saco.....																																	.88	2.31			
Orono.....	Penobscot.....	.26																																.20	2.06			
Patten.....	do.....	T.																																		.076		
Portland.....	Coast.....	.07	.76		T.																														.10	2.60		
Presque Isle.....	St. John.....	.43																																.70	2.70			
Rumford Falls.....	Androscoggin.....	.27	.08																																.20	.18		
The Forks.....	Kennebec.....	.75	.40																																.80	2.62		
Van Buren.....	St. John.....	.10																																	.05	1.98		
Winslow.....	Kennebec.....	.46																																		* .41	1.74	
<i>New Hampshire.</i>																																						
Alstead Center.....	Connecticut.....	.33	.23																																	.32	.78	
Benton.....	do.....	.22																																		.24	.29	
Bethlehem.....	Merrimack.....	.46	.20		T.	.05																													.15	.15		
Brookline.....		.50																																		.15	3.02	
Concord.....	do.....	.12	.30	T.	.01	T.																													.60	.02		
Durham.....	do.....				.67																														.02	.78		
Franklin.....	do.....	.23	.34	T.																																.66	.20	
Grafton.....	do.....																																			.44	.71	
Hanover.....	Connecticut.....	T.	.20	.01		T.																														.69	.03	
Keene.....	do.....	.25	.38	.01																																.62	.17	
Nashua.....	Merrimack.....																																			.80	.33	
Newton.....	do.....	.28	.52																																		.14	.40
Plymouth.....	do.....	.30	.23	T.	T.																																.26	.48
<i>Vermont.</i>																																						
Bloomfield.....	Connecticut.....																																			.05	.16	
Cavendish.....	do.....	.44	.15																																	.70	.55	
Chelsea.....	do.....	.12																																		.15	.22	
Manchester.....	Hudson.....	.23	.14																																	.26	.07	
Somerset.....	Connecticut.....	.61	T.	.39	T.	.03	T.	.01	.03	.20																									.58	T.		
St. Johnsbury.....	do.....	.07	.10	T.	.02	.04	T.			.05																										.48	.09	
Vernon.....	do.....																																			.31	.32	
Woodstock.....	do.....																																			.68	.12	
<i>Massachusetts.</i>																																						
Amherst.....	Connecticut.....	T.	.69																																	.03	.90	
Ashland.....	Merrimack.....	.59																																		* .00	.28	
Bakers Bridge.....	do.....	1.40																																		.10	.34	
Bedford.....	do.....	.27	.61																																	.59	.11	
Blue Hill.....	Coast.....	.40	.73	.05																																.56	.83	
Boston.....	do.....	.35	.54																																	.88	.09	
Chestnut Hill.....	do.....	.60																																		.71	.21	
Clinton.....	Merrimack.....	T.	.60																																	.04	.26	
Fall River.....	do.....	.16	.70	.20																																.53	.15	
Fitchburg.....	Coast.....	.16																																		.37	.67	
Framingham.....	do.....	.57																																		.44	.23	
Haverhill.....	do.....	.29	.40	.04	T.																															.37	.41	
Hingham.....	Coast.....	.70																																		.65	.11	
Hyannis.....	do.....	.72	*	.82																																.71	T.	
Jefferson.....																																						

TABLE 2.—*Daily precipitation for February, 1913. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for February, 1913. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for February, 1913. District No. 1—Continued.*

\* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures for February, 1913. District No. 1, North Atlantic States.

Date.	Maine.										Massachusetts.								Providence, R. I.		Connecticut.							
	Eastport.		Greenville.		Orono.		Portland.		Presque Isle.		Rumford Falls.		Concord, N. H.		Amherst.		Boston.		Middle- boro.		Nantucket.		Cream Hill.		Hartford.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1	47	6	42	1	51	15	48	14	44	22	38	6	49	14	32	16	56	19	57	28	52	24	55	18	46	16	49	20
2	21	2	18	-3	50	-2	28	10	22	-5	24	0	27	12	28	14	31	17	29	13	32	21	28	16	18	9	28	16
3	30	18	23	7	31	16	27	19	23	15	26	18	28	18	29	20	34	24	33	23	48	31	33	24	27	17	33	24
4	27	13	22	10	28	12	32	20	23	12	26	14	30	17	31	12	36	24	33	26	36	27	31	27	31	24	24	
5	19	8	12	-2	23	6	24	13	13	-5	18	10	22	13	20	7	28	16	26	8	32	24	24	16	21	10	24	16
6	8	2	6	-6	27	-3	21	9	5	-13	18	-4	19	9	17	5	24	14	24	6	28	17	23	12	19	8	21	12
7	13	-5	10	-8	25	-15	21	4	6	-19	16	-2	22	4	21	3	24	10	23	6	27	16	23	9	20	0	23	10
8	27	13	22	4	27	7	29	13	20	3	26	16	29	12	30	10	32	18	30	17	36	26	31	17	32	9	30	18
9	22	-8	17	-12	29	-4	21	0	19	-14	18	-4	24	2	25	12	27	12	28	18	30	24	25	15	26	7	29	16
10	10	-9	7	-15	18	-10	21	-2	9	-14	14	-7	17	-3	22	-4	23	3	23	-2	24	11	19	1	18	-4	18	4
11	33	1	15	-7	21	-8	28	6	15	-5	22	-5	31	-7	32	-2	37	15	37	-2	39	17	38	3	-1	36	7	
12	31	-5	21	-8	22	7	26	2	25	-1	26	-3	30	-1	27	6	34	9	37	16	36	8	28	11	32	8		
13	9	-9	6	-13	13	-10	18	-2	4	-14	13	-4	21	-2	22	-1	25	4	22	1	28	11	21	6	15	-7	22	3
14	33	9	28	2	32	-3	33	9	26	-1	32	-2	37	4	37	8	41	18	36	4	38	28	38	15	34	7	37	14
15	30	17	27	9	33	8	41	23	26	-2	32	16	42	18	44	13	45	28	46	15	42	29	44	24	43	17	45	20
16	32	17	16	4	18	8	25	13	9	-3	21	13	35	26	40	26	42	31	49	32	47	30	30	15	47	29		
17	32	20	12	5	25	10	27	14	11	3	35	12	30	14	31	18	38	20	41	30	37	26	38	19	31	11	38	
18	20	14	16	5	23	12	26	13	17	7	22	12	25	12	30	11	31	14	31	13	27	18	30	14	22	5	31	14
19	27	10	24	0	29	-11	38	11	23	0	34	8	37	12	36	8	42	16	40	9	32	19	41	14	35	14	39	
20	39	15	30	11	37	0	41	22	23	-1	39	14	51	23	50	27	60	33	57	22	48	29	58	31	53	17	54	
Mns.	25.8	8.5	20.2	0.5	29.4	3.0	29.5	12.6	19.8	-1.9	25.8	7.6	30.8	12.5	32.2	13.3	36.3	19.1	37.3	16.4	37.5	23.5	35.9	18.2	29.8	11.7	34.9	18.2

Date.	New York.										Pennsylvania.										Atlantic City, N.J.							
	New Haven, Conn.		Addison.		Albany.		Binghamton.		Indian Lake.		Little Falls.		New York.		Everett.		Harrisburg.		Philadelphia.		Scranton.		State College.		Wellsboro.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1	44	21	39	15	36	15	32	12	43	3	47	10	43	20	40	12	37	18	42	22	37	18	33	12	25	13	46	21
2	29	17	29	9	29	14	25	12	19	2	21	15	25	16	35	10	30	15	32	19	25	12	27	7	34	18		
3	35	26	33	17	30	22	29	23	25	5	27	15	39	28	32	12	33	25	38	28	33	24	21	28	21	47	34	
4	35	24	31	22	31	18	27	8	27	11	27	16	36	25	33	22	32	27	37	29	31	21	28	21	29	27	29	
5	26	19	25	6	24	5	20	8	19	-5	18	8	27	1	28	14	28	19	32	23	24	14	21	10	26	7	31	27
6	23	15	20	4	19	5	16	7	11	0	12	7	24	15	26	9	27	13	31	20	19	11	18	4	21	3	30	18
7	25	11	22	4	25	5	20	8	15	-2	18	6	26	13	25	10	27	13	30	16	24	9	21	7	20	1	31	14
8	31	19	26	12	30	13	26	14	21	15	22	12	32	19	35	14	35	18	37	26	29	15	27	13	28	11	39	25
9	31	19	30	6	25	7	27	12	20	0	22	7	32	22	35	17	36	23	36	26	30	18	33	16	29	8	35	23
10	22	8	23	-4	10	-1	13	-1	18	-15	12	-10	27	14	37	21	30	16	32	21	22	5	27	10	26	0	32	21
11	38	10	40	10	34	-1	37	13	50	13	23	-3	39	18	43	24	42	21	42	21	37	15	37	10	38	12	42	28
12	36	9	33	9	26	7	19	5	30	-5	23	-3	37	12	39	11	34	14	42	16	26	8	31	11	36	10	37	17
13	25	7	29	-2	23	2	22	5	15	-10	28	-3	26	10	31	5	27	11	28	14	24	7	24	5	25	-1	29	12
14	37	17	40	8	33	12	35	10	32	3	33	-9	36	17	40	3	39	16	41	19	30	9	35	10	37	6	33	19
15	45	23	51	18	42	17	45	14	31	20	36	20	49	27	51	22	45	28	48	27	48	18	44	15	48	13	46	
16	48	28	47	24	35	12	40	16	33	17	33	12	50	32	49	22	50	31	50	32	44	24	40	15	41	28	46	37
17	40	21	27	18	19	10	26	15	31	-1	15	4	40	22	36	16	38	29	42	29	30	19	34	22	32	41	28	
18	31	14	27	8	24	7	25	10	25	2	23	8	36	17	44	17	40	22	46	23	29	17	39	16	37	10	37	
19	37	19	57	23	29	8	44	13	35	-9	27	5	43	22	57	24	48	30	46	29	47	21	49	28	49	22	41	24
20	54	32	62	28	49	25	56	35	59	-22	45	18	56	33	57	26	48	33	54	36	54	31	53	30	60	27	50	40
21	57	41	48	32	45	30	42	36	55	27	45	33	60	47	60	35	56	40	62	48	49	37	56	35	48	31	54	45
22	50	36	59	31	46	27	55	36																				

TABLE 3.—*Maximum and minimum temperatures for February, 1913. District No. 1—Continued.*

Date.	New Jersey.								Martinsburg, W. Va. §§	Maryland.								Millsboro, Del.	Washington, D. C.	Virginia.									
	Bridgeton.		Phillipsburg.		Sussex.		Trenton.			Baltimore.		Darling-ton.		Frederick.		Western-port.					Fredericksburg.		Staunton. §§		Woodstock.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.	Max.	Min.				
1....	57	25	57	23	56	23	58	24	29	28	43	22	57	22	54	21	42	13	58	26	40	21	64	28	31	28	50	23	
2....	34	17	28	14	30	13	33	16	35	15	37	19	32	11	35	15	47	14	40	20	36	17	38	15	39	15	40	12	
3....	36	20	32	22	29	20	34	24	34	16	37	32	33	22	34	24	34	26	58	28	36	31	37	30	44	30	36	25	
4....	39	25	34	23	34	26	37	22	36	28	39	30	35	21	38	27	36	27	46	31	41	31	47	29	44	30	43	27	
5....	32	26	28	16	30	18	30	20	33	25	36	29	30	20	34	25	35	19	41	26	37	30	44	25	40	23	41	25	
6....	29	20	23	13	21	12	26	19	26	18	30	21	27	18	29	18	28	12	36	22	31	22	41	24	36	25	36	25	
7....	32	9	25	11	26	5	30	14	30	15	34	20	28	6	32	14	29	12	37	18	36	20	40	11	35	19	36	18	
8....	39	20	32	14	28	15	35	20	40	15	40	24	36	16	40	22	35	18	45	17	39	18	41	19	42	21	46	19	
9....	38	22	34	20	34	16	36	21	39	23	40	27	35	15	40	21	36	23	39	27	42	27	43	18	49	23	49	17	
10....	32	22	30	12	26	7	31	17	42	24	34	27	34	21	36	23	45	20	40	24	36	27	43	22	44	23	43	23	
11....	40	19	34	12	34	2	38	17	52	24	44	29	38	20	42	24	49	29	45	24	45	31	47	31	49	33	54	31	
12....	38	20	37	16	35	11	36	20	27	22	41	16	39	20	39	17	44	23	43	16	47	30	36	26	45	23			
13....	29.	11	25	8	24	2	31	11	30	10	30	14	27	7	30	10	40	10	37	22	29	13	35	9	32	8	35	8	
14....	40	13	38	7	36	3	44	13	43	11	38	19	41	11	42	11	52	11	36	18	43	17	39	16	44	17	47	12	
15....	50	20	48	22	46	13	52	22	51	13	47	29	46	22	50	24	63	26	54	19	49	25	50	17	49	22	53	19	
16....	52	26	47	25	47	26	52	25	52	25	55	30	52	25	52	26	49	26	60	27	56	29	60	45	51	30	53	25	
17....	45	29	43	21	39	17	42	26	40	31	39	32	45	27	43	31	42	33	44	31	43	30	48	27	52	33	51	25	
18....	40	20	36	18	33	14	41	20	42	23	41	25	37	20	41	23	50	23	45	25	42	27	47	27	51	23	47	24	
19....	45	24	45	22	40	16	48	23	53	23	46	32	43	20	54	26	59	25	48	23	54	27	57	21	60	27	64	23	
20....	60	30	52	26	52	28	55	27	59	31	55	36	51	30	58	29	58	31	67	34	61	32	64	36	56	41	60	31	
21....	64	43	56	37	49	36	62	41	62	35	61	47	59	42	60	42	63	41	61	46	66	47	65	45	56	45	64	44	
22....	64	48	45	35	40	31	57	31	69	45	66	50	57	45	65	48	71	47	69	49	68	50	70	49	57	49	72	48	
23....	58	34	43	29	48	23	60	37	50	35	54	30	56	30	58	30	54	29	60	33	50	29	69	40	52	34	58	35	
24....	34	22	33	16	29	15	37	20	33	22	34	24	32	20	34	24	32	22	33	27	32	25	47	25	33	23	35	24	
25....	32	18	30	11	25	7	34	14	35	17	34	20	30	15	34	17	37	20	35	22	34	21	35	20	38	20	40	23	
26....	41	17	35	14	29	9	39	16	44	17	43	26	39	16	42	20	48	19	47	17	47	23	50	19	51	20	48	19	
27....	56	37	41	32	35	26	49	31	52	29	63	42	62	35	50	36	41	34	65	41	64	44	66	44	59	40	60	41	
28....	70	45	59	36	56	34	66	40	62	42	68	43	64	41	66	44	53	40	73	53	67	45	72	50	65	51	69	43	
Mns..	43.8	24.4	38.4	19.8	36.1	16.6	42.6	22.5	42.9	23.6	43.9	28.4	41.6	22.1	44.0	24.8	45.4	23.8	48.7	27.6	45.2	27.7	50.2	27.6	46.2	27.8	49.1	25.4	

<sup>a, b, c, etc.</sup>, indicate respectively 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.